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CLASSIFICATION

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CENTRAL INTELLIGENCE AGENCY

REF



85 Oct 1965

SUBJECT

1956 Import Plan of the Academy
Institute for Research on the Physics
of Solids, Berlin-Buch

NO. OF PAGES

3 ILLEGIB

PLACE
ACQUIRED

NO. OF ENCL'S.

(LISTED BELOW)

DATE OF
INFO.SUPPLEMENT TO
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The following is a list of items which are to be imported in 1956 for the Institute for Research on the Physics of Solids, Berlin-Buch, Lindenberger Weg 70, one of the institutes under the jurisdiction of the East German Academy of Sciences in Berlin.

values are approximate. 25X1

<u>Item</u>	<u>Value</u>	<u>Purpose</u>	
28 g. gallium	700	Production of semi-conductors of Type A III/BV.	
8 g. indium	83	" "	
8 g. thallium	4	" "	
500 g. tantalum plate (Germany)	150	" "	
100 g. caesium dichromate	110	For the production of metallic caesium for antimony-caesium systems	
100 g. zirconium in powder form	30	" "	25X1
25 kg. nitrogen mono-oxide (N ₂ O)	133	Catalytic research on zinc-oxide.	25X1
25 x 50 g. high-vacuum Leyboldt grease	525	For the institute's high-vacuum apparatuses.	
6 Multipliers	1,500	For determining minute X-ray intensities, and as an accessory device for the mono-chromator.	
1 Quadrant electrometer	1,800	For determining slight electric charges, and for mono-chromator research.	25X1

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<u>ITEM</u>	<u>VALUE</u>	<u>PURPOSE</u>	
3 Thermocouple elements	1600	For absolute measurement of radiations of various kinds.	25X1
1 Siegbahn grid	400	This item cannot be imported through the usual import channels. Funds will have to be made available.	
1 X-ray sinclair camera	8,000	Structure camera with focusing crystal mono-chromator.	25X1
2 Zernicke galvanometers	1,400	For absolute measurements (thermoelement).	
1 universal X-ray dosimeter	7,000	For standardizing CDS dosimeter cells.	25X1 25X1
2 Quartz crystals	500	For use in the mono-chromator under construction.	
1 Tube voltmeter GM 6006	800	With a range of 30V and 30 megacycles (MHz); not procurable at the present in East Germany.	
1 compensator	800	Compensators for slight currents of 10 micro-volts; not procurable at present in East Germany.	25X1
1 Pore-ohmmeter 1446 with measuring cable KZ 21	1,360	For semi-conductor research (Pore-ohmmeters made in East Germany do not have the necessary measuring voltage range of up to 1,000 V.)	25X1
1 Synchronoscope	6,000	For measuring rapidly changing impulses. (zur Messung schnell veranderlicher Vorgaenge im Impulsbetrieb).	
2 Electrometer tubes PL13	120	For amplifiers with high ohm input; not procurable in East Germany at present.	25X1 25X1
1 Sichromal tube 0.6 x 0.2 m. with 5 mm. wall thickness	50	For crystal culture furnaces.	25X1
10 g. Purost ambarum	160	For activating CDS.	25X1
0.5 ltr. tin tetrachloride (<chem>TnCl4</chem>)	9	For producing transparent conducting layers.	25X1
0.5 ltr. colloidal carbon "Aquadag"	10	For contacting (Kontaktierung).	25X1

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